

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX014003.D
 Acq On : 13 Dec 2019 04:40
 Operator : JC/SP
 Sample : K6258-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-NEAR-THE-FRONT-DOOR-(4A)

Quant Time: Dec 13 05:02:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	88837	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	494987	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	436185	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	195796	30.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.57%
60) 4-Bromofluorobenzene	11.14	95	193414	27.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.53%
63) Toluene-d8	8.71	98	588977	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

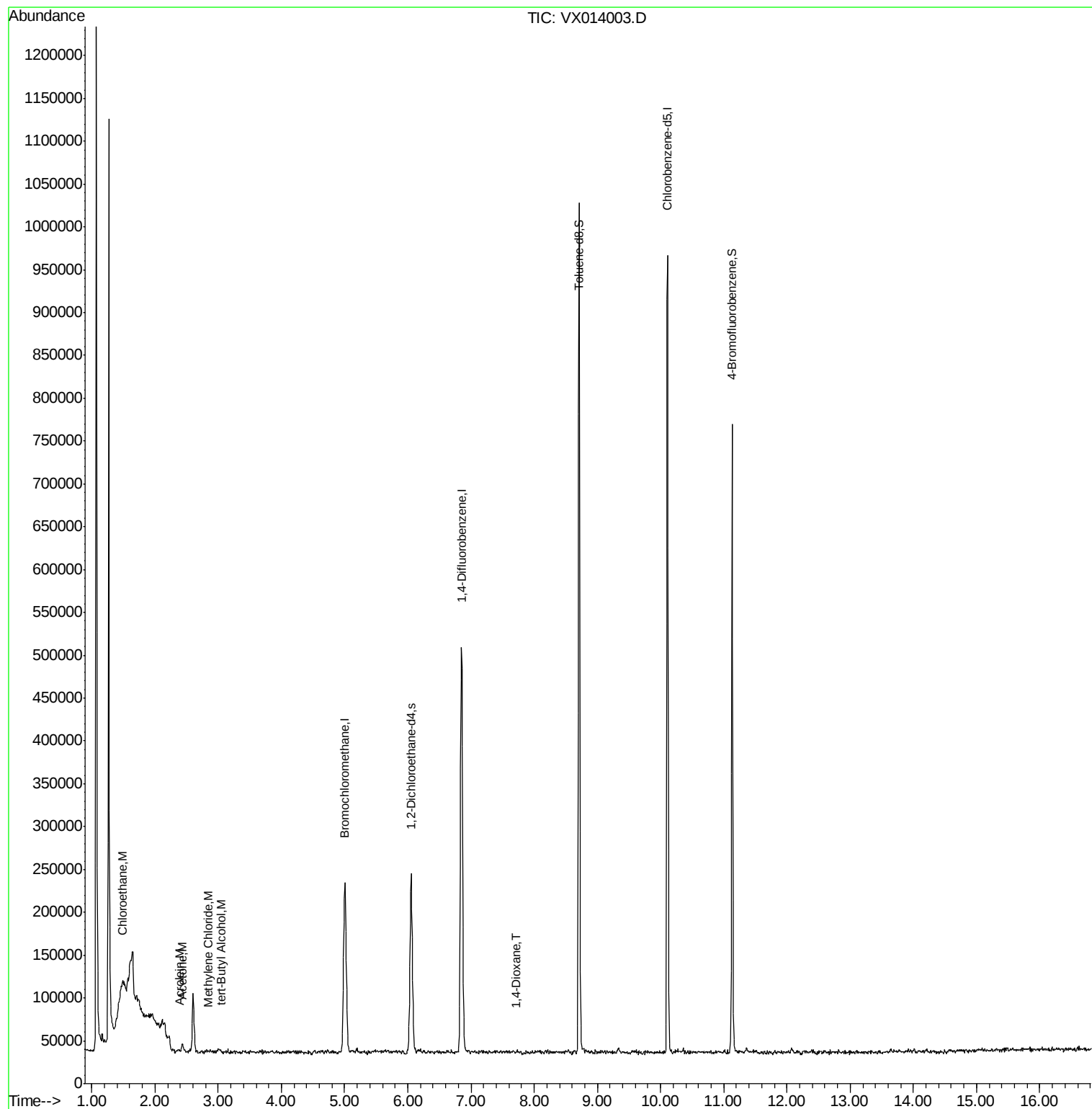
					Ovalue	
6) Chloroethane	1.48	64	109516	27.346	ug/l #	53
13) Acrolein	2.39	56	778	0.833	ug/l	85
15) Acetone	2.44	58	3756	4.247	ug/l	70
18) Methylene Chloride	2.85	84	1590	0.261	ug/l #	72
23) tert-Butyl Alcohol	3.04	59	2553	2.162	ug/l #	96
45) 1,4-Dioxane	7.71	88	151	1.191	ug/l #	1

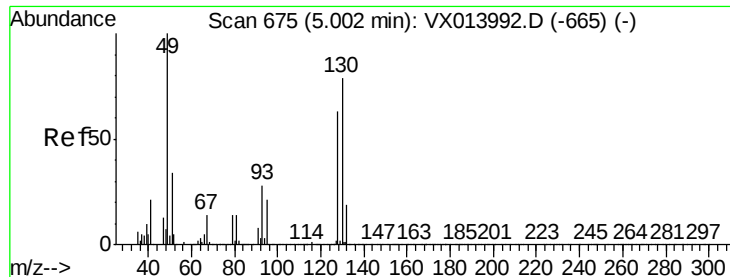
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 13 01:35:34 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX014003.D

Acq: 13 Dec 2019 04:40

Instrument :

MSVOA_X

ClientSampleId :

MH-NEAR-THE-FRONT-DOOR-(4A)

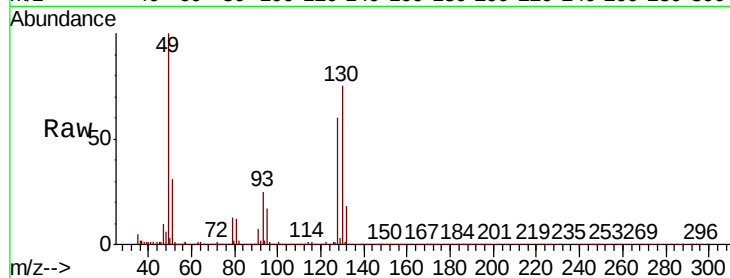
Tot Ion:128 Resp: 88837

Ion Ratio Lower Upper

128 100

49 162.7 0.0 405.0

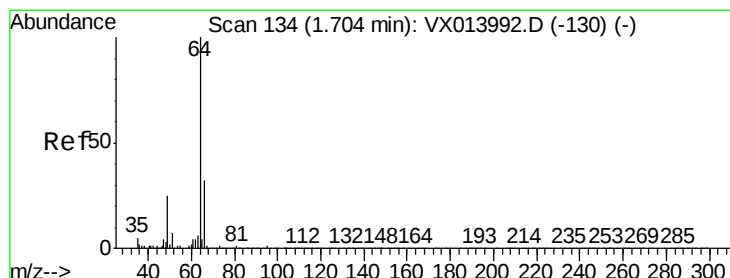
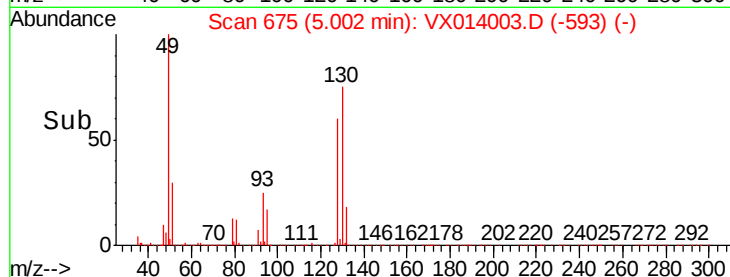
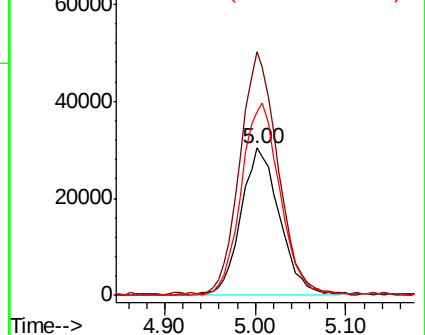
130 130.7 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#6

Chloroethane

Concen: 27.346 ug/l

RT: 1.48 min Scan# 98

Delta R.T. -0.22 min

Lab File: VX014003.D

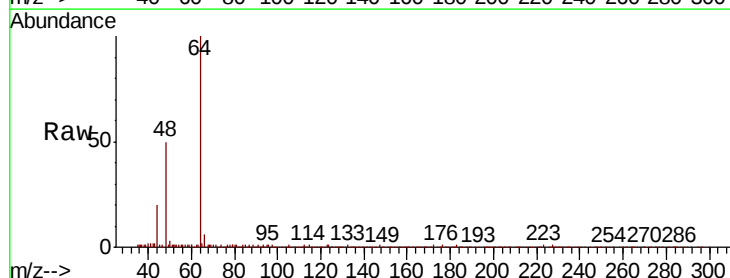
Acq: 13 Dec 2019 04:40

Tgt Ion: 64 Resp: 109516

Ion Ratio Lower Upper

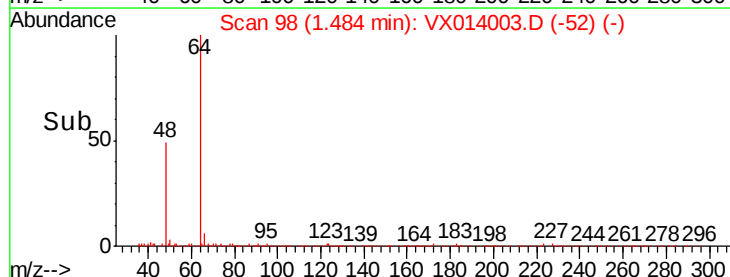
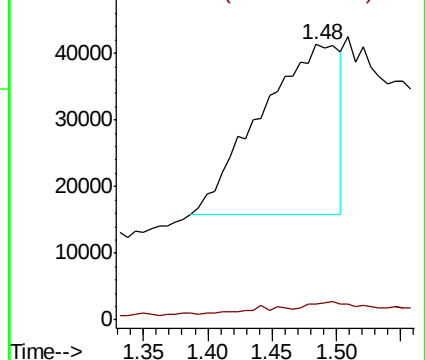
64 100

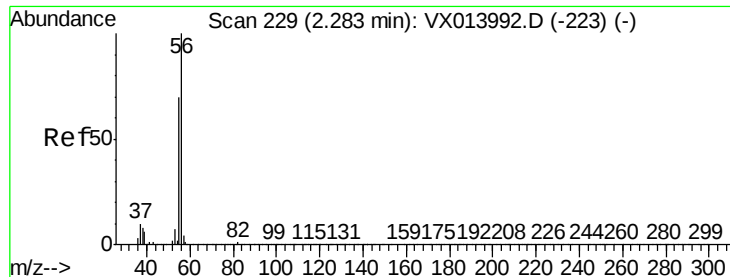
66 5.5 25.2 37.8#



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#13

Acrolein

Concen: 0.833 ug/l

RT: 2.39 min Scan# 246

Delta R.T. 0.10 min

Lab File: VX014003.D

Acq: 13 Dec 2019 04:40

Instrument :

MSVOA_X

ClientSampleId :

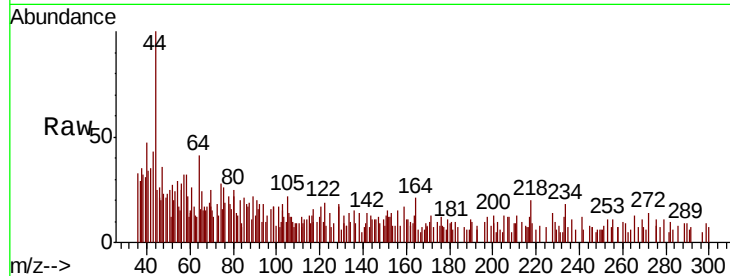
MH-NEAR-THE-FRONT-DOOR-(4A)

Tot Ion: 56 Resp: 778

Ion Ratio Lower Upper

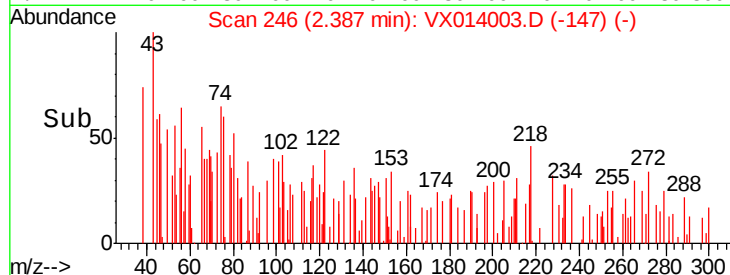
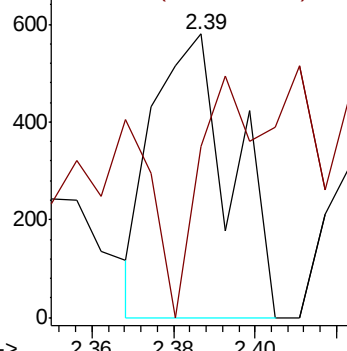
56 100

55 56.7 54.9 82.3

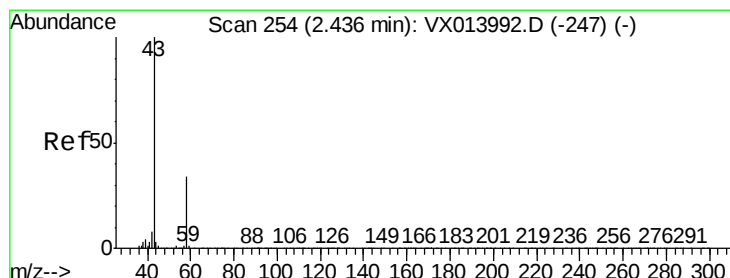


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acetone

Concen: 4.247 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX014003.D

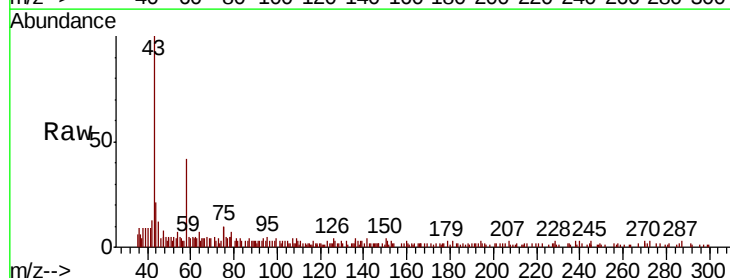
Acq: 13 Dec 2019 04:40

Tgt Ion: 58 Resp: 3756

Ion Ratio Lower Upper

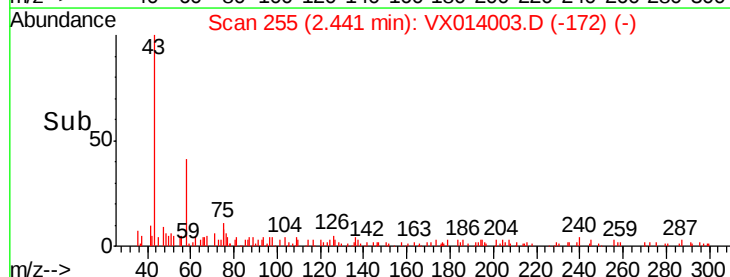
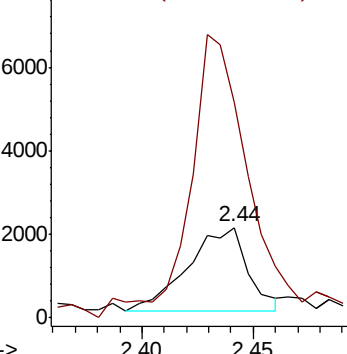
58 100

43 237.9 236.3 354.5

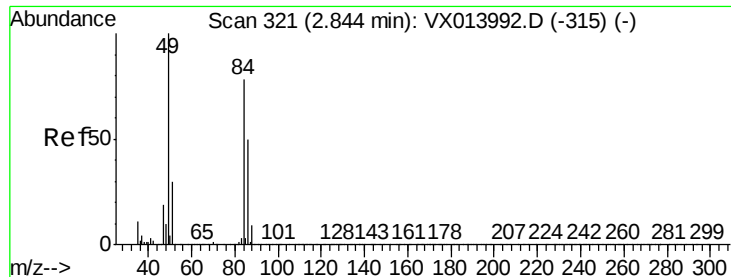


Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



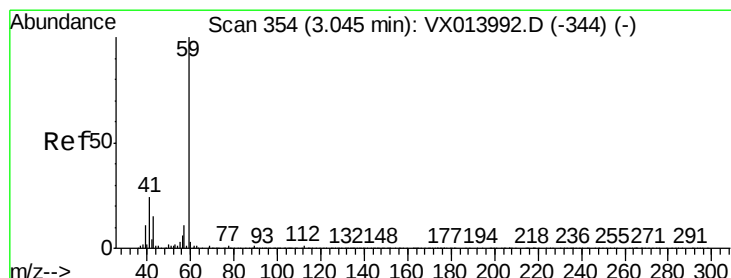
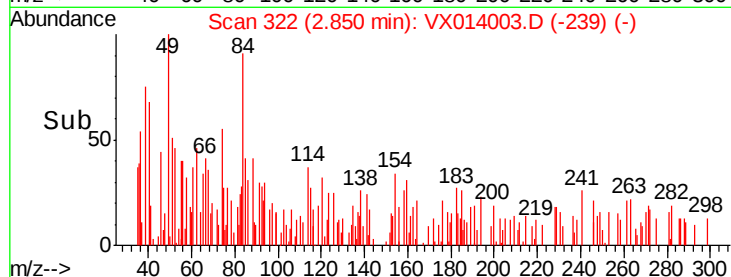
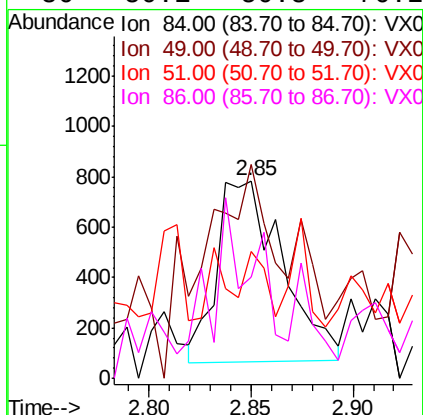
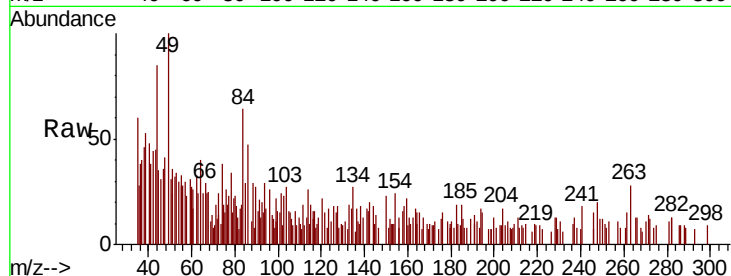
Time-->



#18
Methvlene Chloride
Concen: 0.261 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014003.D
Acq: 13 Dec 2019 04:40

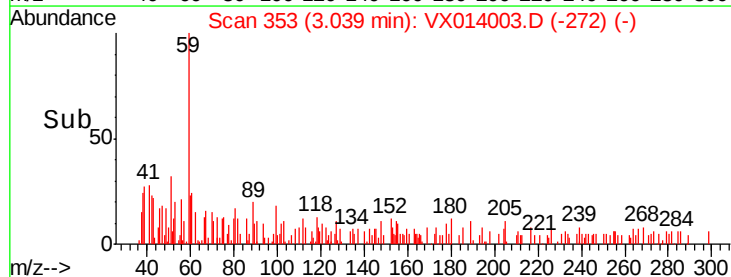
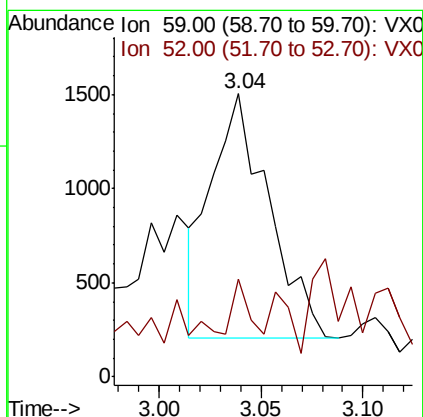
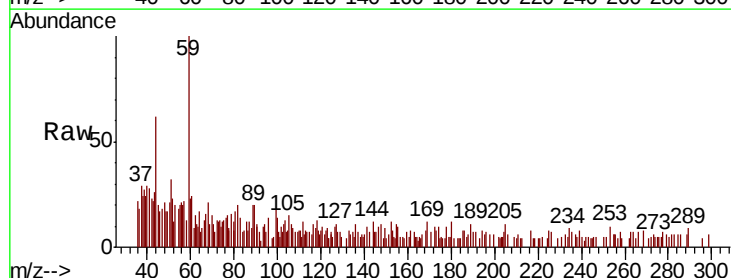
Instrument :
MSVOA_X
ClientSampleId :
MH-NEAR-THE-FRONT-DOOR-(4A)

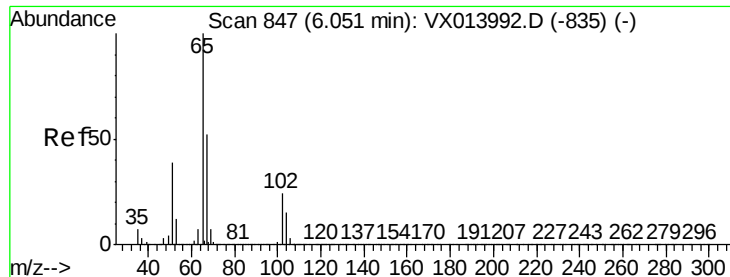
Tot Ion: 84 Resp: 1590
Ion Ratio Lower Upper
84 100
49 81.4 102.2 153.2#
51 41.9 31.4 47.0
86 50.1 50.8 76.2#



#23
tert-Butyl Alcohol
Concen: 2.162 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.01 min
Lab File: VX014003.D
Acq: 13 Dec 2019 04:40

Tgt Ion: 59 Resp: 2553
Ion Ratio Lower Upper
59 100
52 5.4 0.2 0.2#





#27

1,2-Dichloroethane-d4

Concen: 30.775 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014003.D

Acq: 13 Dec 2019 04:40

Instrument :

MSVOA_X

ClientSampleId :

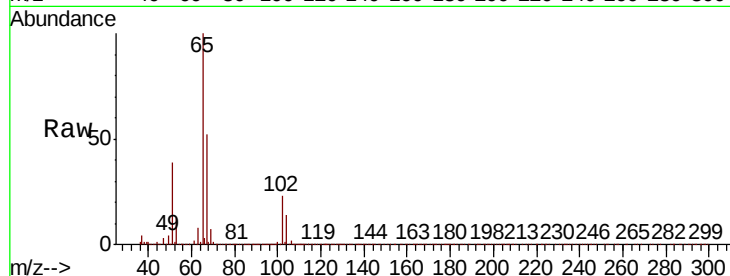
MH-NEAR-THE-FRONT-DOOR-(4A)

Tot Ion: 65 Resp: 195796

Ion Ratio Lower Upper

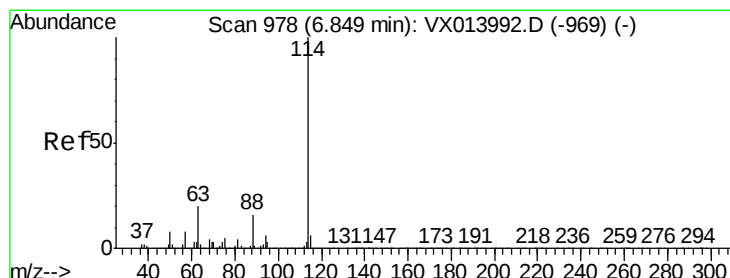
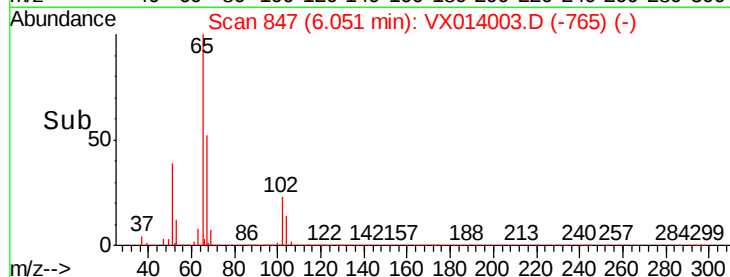
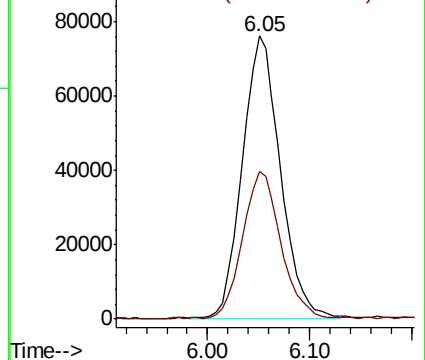
65 100

67 52.4 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014003.D

Acq: 13 Dec 2019 04:40

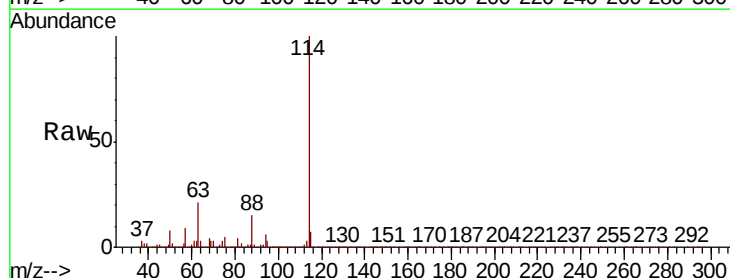
Tgt Ion: 114 Resp: 494987

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

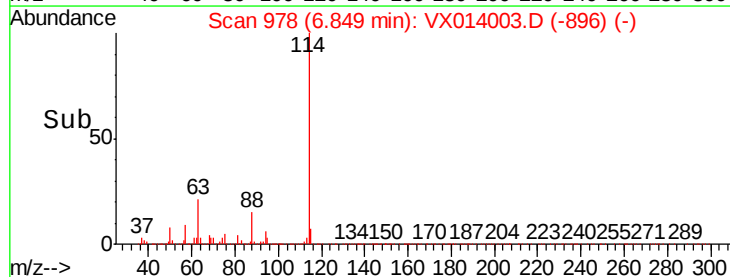
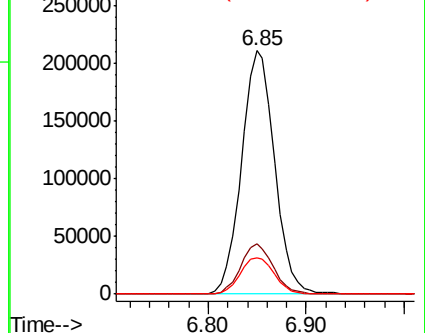
88 15.3 12.5 18.7

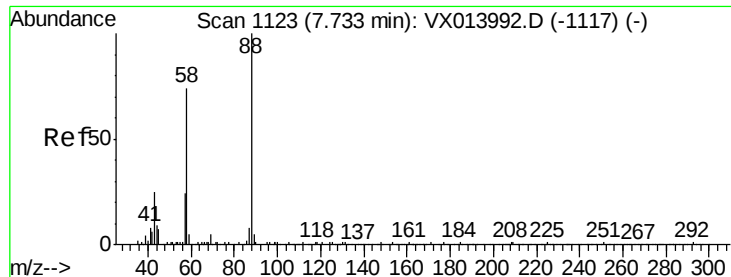


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#45

1,4-Dioxane

Concen: 1.191 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX014003.D

Acq: 13 Dec 2019 04:40

Instrument :

MSVOA_X

ClientSampleId :

MH-NEAR-THE-FRONT-DOOR-(4A)

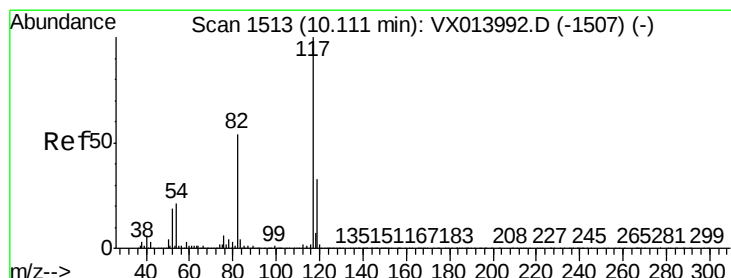
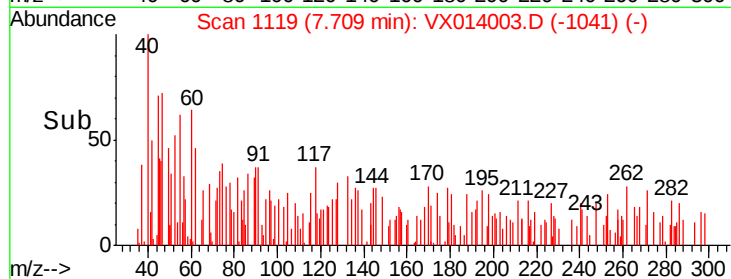
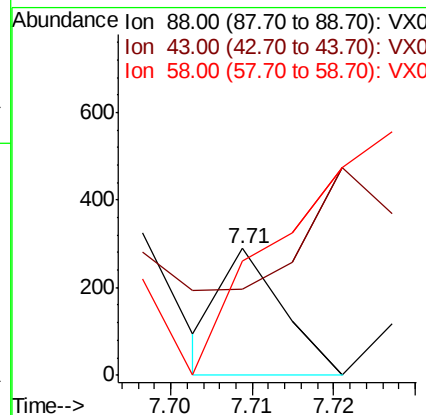
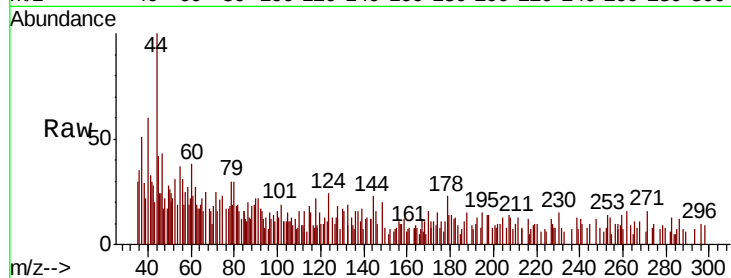
Tot Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 378.1 25.4 38.2#

58 607.9 56.5 84.7#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014003.D

Acq: 13 Dec 2019 04:40

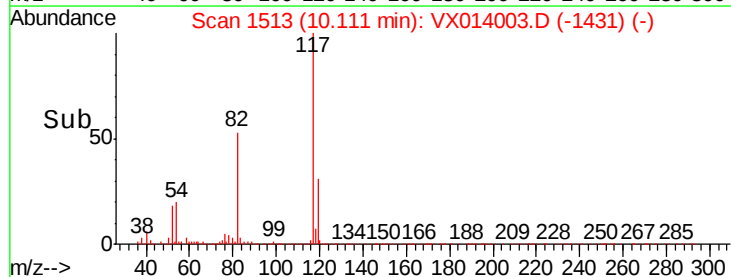
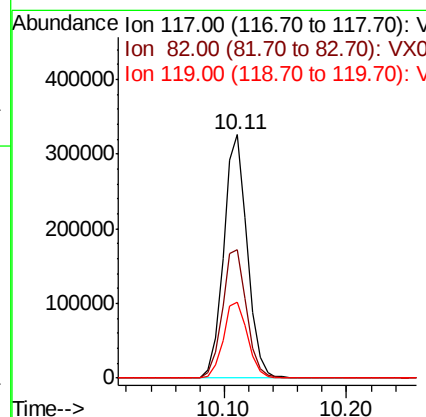
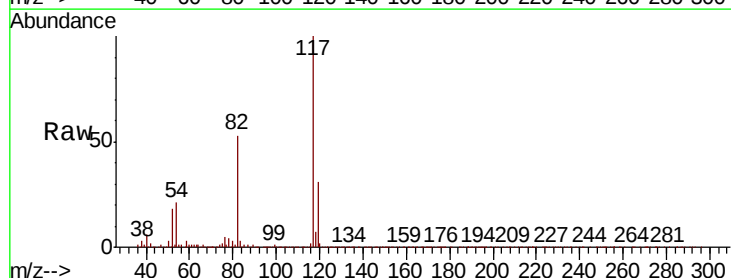
Tgt Ion: 117 Resp: 436185

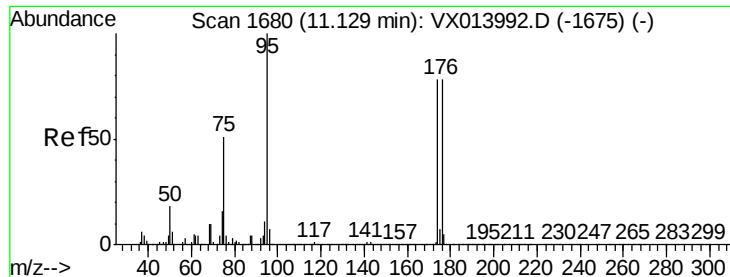
Ion Ratio Lower Upper

117 100

82 54.0 43.8 65.6

119 32.0 25.8 38.6

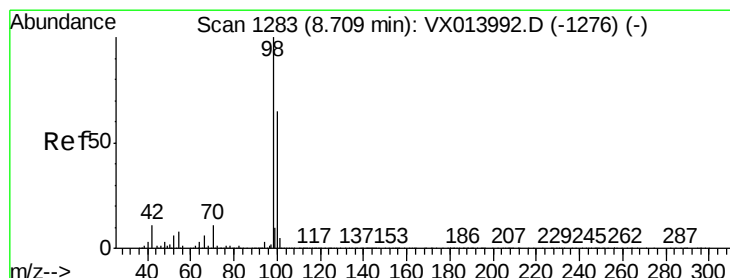
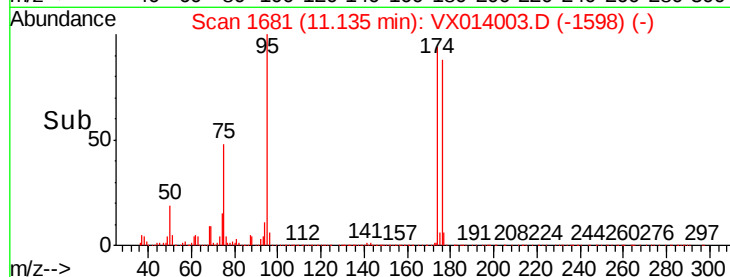
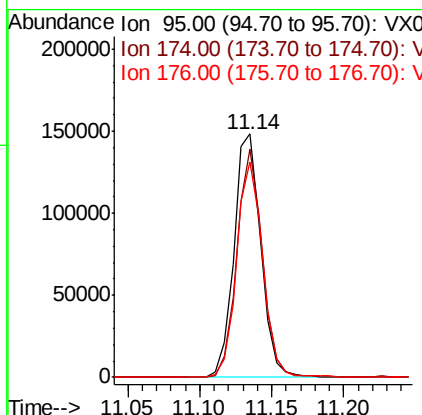
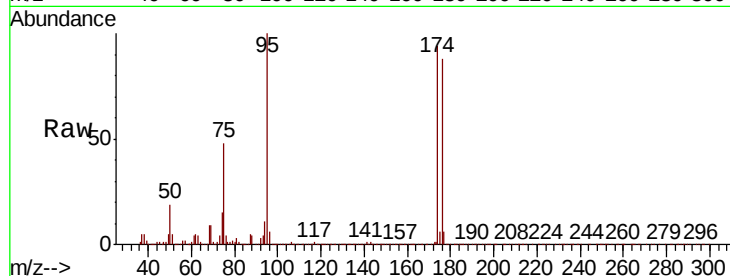




#60
4-Bromofluorobenzene
Concen: 27.460 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014003.D
Acq: 13 Dec 2019 04:40

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Tot Ion	Ratio	Lower	Upper
95	100		
174	88.2	70.2	105.2
176	85.4	68.3	102.5



#63
Toluene-d8
Concen: 30.209 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014003.D
Acq: 13 Dec 2019 04:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.2	78.2

